| •        | Index of Claims      |              |                    |           |             |          |                |         |             |         |              |            |                                     | A            | Аррисацоп но. |           |          |          |           |         |          |          |             |          | Applicant(s)   |         |         |          |          |          |            |       |   |     |
|----------|----------------------|--------------|--------------------|-----------|-------------|----------|----------------|---------|-------------|---------|--------------|------------|-------------------------------------|--------------|---------------|-----------|----------|----------|-----------|---------|----------|----------|-------------|----------|----------------|---------|---------|----------|----------|----------|------------|-------|---|-----|
|          |                      |              |                    |           |             |          |                |         |             |         |              |            |                                     | 10           | 10/774,625    |           |          |          |           |         |          |          |             |          | OKAMOTO ET AL. |         |         |          |          |          |            |       |   |     |
|          |                      |              |                    |           |             |          |                |         |             |         |              |            |                                     | Examiner     |               |           |          |          |           |         |          |          |             | Art Unit |                |         |         |          |          |          |            | ┪     |   |     |
|          |                      | Ш            |                    | Ш         |             |          |                |         |             |         |              |            |                                     |              |               |           |          |          |           |         |          |          |             |          |                |         |         |          |          |          |            |       |   |     |
|          |                      | 118811       | m man              | OPAL II   | IBM #8      | EN BI    | 315 GA         | 110 111 | 181 8 H     | 1981    |              |            |                                     |              | Tai Duong     |           |          |          |           |         |          |          |             |          | 2871           |         |         |          |          |          |            |       |   | _   |
|          |                      |              | _                  |           |             | ,        |                | _       |             |         |              |            |                                     |              |               | _         | _        |          |           |         |          |          | ,           | _        |                |         |         | _        | _        |          |            |       |   |     |
|          |                      |              | ا را               | Rol       | octi        | he       |                | Ι.      | _l          | (T      | hrou         | gh r       | ıun                                 | ner          | al)           |           | -        |          | N         | an-l    | Flac     | cted     | ted         |          | Appeal         |         |         |          | -        |          |            |       |   |     |
|          | √ Rejected □ Allowed |              |                    |           | y singredia | E        |                |         | Cancelled   |         |              |            |                                     | N            | N             | •••       | · ·      |          | # 1 ***** |         | A        | Ahoan    |             |          |                |         | ٠,      |          | ٠.       |          |            |       |   |     |
|          |                      |              |                    |           |             | 1.       | •              |         | Restricted  |         |              |            |                                     |              |               | Interfer  |          |          |           |         | 0        | Objected |             |          |                |         |         |          |          |          |            |       |   |     |
|          |                      |              | ا٦ا                | MICHEL    |             |          |                | L       |             |         | Resulcted    |            |                                     |              |               | Ľ         | •        |          |           |         | TICE     |          | Ц           | Objected |                |         |         |          |          |          |            |       |   |     |
|          |                      |              |                    |           |             |          |                |         |             | _       |              |            | _                                   | _            |               |           |          | _        |           |         |          |          |             |          |                |         |         |          |          |          | _          |       |   |     |
|          | Claim                |              |                    | Dat       |             |          | •              | _       | Τ.          | 4       | Cla          | Claim      |                                     |              |               |           | ate      |          |           | -       | -        |          | laim        | Н        | Date           |         |         |          |          | 4        |            |       |   |     |
|          | ᇛ                    | <u>8</u>     | 12/13/04           |           | 1           |          |                |         | 1           |         | 78           | Original   | 14                                  | 1            | l             |           |          | 1        |           |         |          | ਜ਼       | Original    |          |                |         |         |          |          |          |            |       |   |     |
|          | Final                | Original     | 13                 |           | L           | ł        |                |         |             |         | Final        | ₽.         | جإ                                  |              |               |           |          | - 1      | ı         | ı.      |          | Final    | 字           |          |                | 1       |         |          |          |          |            |       |   | •   |
|          |                      | 0            | ٦                  | 丄         | 上           | Ш        | Ц              | $\perp$ |             | ] .     |              | 0          | <u> 24</u>                          | oxdot        | Ш             |           | $\sqcup$ |          | ┙         |         | ┛        |          |             | Ш        |                | 丄       | $\perp$ |          | $\Box$   | Ц.       | 1          |       |   |     |
|          |                      | 1            | Ш                  | -         | ╀           | Ш        | $\sqcup$       | - -     | 4           | ┨       |              | 51         | ¥                                   | $\vdash$     | Н             | $\dashv$  | -        | -        | 4         | 4       | 4        | -        | 101         | 1        | $\dashv$       | -       | +       | L        | $\dashv$ | +        | 4          |       |   |     |
| }        |                      | +            | Н                  | -         | ╁           | Н        | ${\mathbb H}$  | +       | +           | ┨       | ⊢            | 52<br>53   |                                     | ⊢            | $\vdash$      | $\vdash$  | $\dashv$ | ┥        | +         | ╅       | $\dashv$ | $\vdash$ | 102         | Н        | $\dashv$       | ╫       | ╫       | Н        | $\dashv$ | +        | ┨          |       | 1 |     |
|          | _                    | ╁            | Н                  | +         | 十           | Н        | H              | 十       | +           | ┪       | $\vdash$     | 54         | Ŋ                                   | $\vdash$     | Н             | $\exists$ | 7        | 寸        | 十         | +       | ┪        |          | 104         |          | 十              | ╅       | ┿       |          | 1        |          | ┪          |       |   |     |
| [        |                      | 5            |                    | 工         |             |          |                |         |             | ]_      |              | 55         |                                     |              |               |           |          |          |           | _       | ]        |          | 105         |          |                |         | 上       |          | 1        | I        | 3          |       |   |     |
|          |                      | اع           | Ц                  | 4         | 1_          |          | Н              | 4       |             | 1       |              | 56         | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | $oxed{\bot}$ | $\Box$        | Ц         | _        | 4        | _         | 4       | 4        |          | 106         |          | 4              | 4       | 1       |          | $\perp$  | $\perp$  | _          |       |   |     |
|          | -                    | 4            | Н                  | +         | ╀           | Н        | Н              | +       | +-          | ┨       | _            | 57<br>58   | -                                   | $\vdash$     | Н             | $\dashv$  | +        | $\dashv$ | +         | +       | -        | -        | 107<br>108  | ╀        | +              | ╀       | ╀       | Н        | $\dashv$ | +        | 4          |       |   |     |
|          |                      | B            | H                  | +         | ┿           | Н        | ┝┼             | +       | ┿           | ┨       | H            | 59         | -                                   | ┝            | Н             |           | ┰        | ┪        | +         | ╅       | $\dashv$ | -        | 109         | Н        | $\dashv$       | ┿       | ┿       | $\vdash$ | $\dashv$ | +        | ┨          |       |   |     |
|          |                      | 6            | Н                  | $\top$    | +           | Н        | H              | ╅       | ╅           | 1       | $\vdash$     | 60         |                                     |              | Н             |           | 7        | 7        | 十         | 十       | ٦.       | $\vdash$ | 110         | Н        | $\dashv$       | 十       | ✝       | Н        | $\dashv$ | 十        | 1          |       |   |     |
|          |                      | 11           | П                  | 工         |             |          |                |         | $\perp$     | 1       |              | 61         |                                     |              |               |           |          |          |           | T       | ]        |          | 111         |          |                | I       |         |          |          | I        | ]          |       |   |     |
|          |                      | 12           | Н                  |           | -           |          | $\vdash$       | +       | 4           | 4       | <u> </u>     | 62         | _                                   |              | Щ             | $\dashv$  | 4        | 4        | 4         | -       | 4        |          | 112         | Н        | $\dashv$       | +       | ╄       | Ш        | $\dashv$ | +        | 4          |       |   |     |
| -        |                      | 3            | Н                  | ┿         | ╁           | Н        | H              | +       | ┿           | -       | <del> </del> | 63<br>64   | $\vdash$                            | $\vdash$     | Н             | $\dashv$  | -        | ┥        | +         | +       | ┥        | $\vdash$ | 113         | Н        | +              | +       | ╫       | ┝        | $\dashv$ | ┿        | ┨          |       |   |     |
|          | 19775                | . 5          |                    | 2 7 10 10 |             | 1220     | ,              |         | A-74- 64-11 | <b></b> |              | -65-       |                                     |              |               | ,         |          | $\dashv$ | +         | +       | ٦.       | ****     | 115         | ,        | (rw·) 44       |         | 1       | Н        |          | ٠,       |            | ٠.    |   |     |
| · I      |                      | 16           |                    |           |             |          |                | 1       |             | 1       |              | <b>6</b> 6 |                                     |              |               |           |          |          |           |         | 1        |          | 116         |          |                | I       | I       |          |          |          | J          |       |   |     |
| ſ        |                      | 7            | П                  | $\perp$   | I           |          | П              | $\perp$ | $\perp$     | ]       |              | 67         | П                                   |              | $\Box$        |           | $\Box$   | $\dashv$ | 7         | $\perp$ | 7        |          | 117         | П        | $\Box$         | Ţ       | Ţ       |          |          |          | ]          |       |   | -   |
| ŀ        |                      | 18<br>19     | Н                  | - -       | ┼           | Н        | $\vdash$       |         | +-          | 1       |              | 68<br>69   | Н                                   | Н            | Н             |           | -        | -        | +         | +       | ┨        | $\vdash$ | 118<br>119  | Н        | -              | +       | ╀       | H        | -        | +        | 4          |       |   |     |
| }        |                      | 20           | ╁                  | -}-       | ╁           | Н        | ${f H}$        | ╁       | ┿           | 1       | <del> </del> | 70         | Н                                   | H            | Н             | $\dashv$  | ᅥ        | $\dashv$ | $\dashv$  | +       | ┨        | $\vdash$ | 120         | Н        | +              | ╁       | ╁       | H        | $\dashv$ | +        | ┨          |       |   |     |
| Ì        |                      | (21)         |                    | 士         | T           |          |                |         |             | 1       |              | 71         |                                     |              |               |           |          |          |           |         | _        |          | 121         |          |                | $\perp$ | $\top$  | $\Box$   | $\Box$   |          | 1          |       |   |     |
| [        |                      | 22           |                    |           | L           |          | $\Box$         | $\Box$  | I           | ]       |              | 72         |                                     |              |               |           | $\Box$   | $\Box$   | $\supset$ |         | ]        |          | 122         |          | $\Box$         | Ţ       | $\perp$ |          | $\Box$   | $\Box$   | ]          |       |   |     |
| }        |                      | 23<br>24     | Ŋ                  | +-        | ╀           | Н        | H              | +       | +           | -       | $\vdash$     | 73<br>74   | Н                                   | Н            | Н             | $\dashv$  | $\dashv$ | $\dashv$ | +         | +       | ┨        | -        | 123<br>124  | Н        | -+             | ╬       | ╀       | H        | -+       | +        | 4          |       |   |     |
| }        |                      | 25           | Ň                  | +         | ╁           | Н        | $\vdash$       | ╅       | 十           | 1       | -            | 75         | Н                                   | Н            | Н             | $\dashv$  | ┪        | ┪        | +         | +       | ┨        | $\vdash$ | 125         | Н        | $\dashv$       | +       | +       | H        | $\dashv$ | +        | ┨          |       |   |     |
| į        |                      | 26           | 2                  |           |             |          |                | $\perp$ |             | 1       |              | 76         |                                     |              |               |           |          |          | 工         | I       | ]        |          | 126         |          |                | 土       | 仜       |          | ╛        | 土        | <b>j</b> . |       |   | 1   |
| Į.       |                      | 27           | N                  | $\perp$   | $\perp$     |          | $\Box$         | 1       |             | ]       |              | 77         |                                     |              |               |           |          | 4        |           | 1       | ]        |          | 127         |          |                | Ţ       |         |          | $\Box$   | $\perp$  | 4          |       |   |     |
| }        |                      | 28           | N                  | +         | ╁           | Н        | -              | +       | ┽╌          | ┨       | ├            | 78<br>79   | H                                   | Н            | Н             | $\dashv$  | -        | $\dashv$ | +         | ╬       | -        | -        | 128<br>129  | Н        | +              | +       | ╀       | Н        | $\dashv$ | +        | -{         |       |   |     |
| ŀ        | <u> </u>             | 88           | 彻                  | ┰         | ╁           | Н        | $\dashv$       | +       | +           | 1       |              | 80         | $\vdash$                            | Н            | $\vdash$      | $\dashv$  | ┪        | $\dashv$ | 十         | ╅       | ┨        | $\vdash$ | 130         |          | -              | ╅       | ╁╴      | H        | $\dashv$ | +        | ┪          |       |   | - 1 |
| Ì        |                      | <b>L31</b> / | พ                  |           |             |          |                |         |             | 1       |              | 81         |                                     |              |               |           | $\Box$   | 1        | 士         | 土       | 1        |          | 131         |          | 士              | 1       |         |          | Ħ        |          | 1          |       |   |     |
| į        |                      | 32           | 四                  |           | $\Box$      |          | Ш              | $\perp$ | I           | ]       |              | 82         |                                     |              |               |           |          | $\Box$   | $\Box$    |         | ]        |          | 132         |          | $\Box$         | $\perp$ | Γ       |          | $\Box$   |          | 7          |       |   |     |
| }        |                      | 33           |                    | -         | ╀           | Н        | $\vdash$       | 4       | +           | ┨       | ┝            | 83<br>84   | -                                   | Н            | $\dashv$      | $\dashv$  | $\dashv$ | -        | +         | +       | 4        | $\vdash$ | 133         |          | +              | - -     | ╂       | Н        |          | +        | 4          |       |   | 1   |
| ł        |                      | X<br>S       | K                  | +         | ╁           | Н        | $\dashv$       | +       | ╫           | 1       | <u> </u>     | 85         | Н                                   | -            | Н             | $\dashv$  | ┪        | ┪        | +         | ╅       | ┨        | $\vdash$ | 135         |          | $\dashv$       | ┿       | ╁       | Н        | +        | +        | ┨          |       |   |     |
| ľ        |                      | 36           | N                  | $\top$    | 1           | Н        | $\top$         | +       | +           | 1       |              | 86         |                                     |              | Н             | 寸         |          | 7        | _         | 十       | 7        |          | 136         |          | 十              | †       | 1       | П        |          | 十        | 1          |       |   | 1   |
| Ţ        |                      | 37           | M                  |           |             |          |                | $\Box$  |             | 1       |              | 87         |                                     |              |               |           | $\Box$   | $\Box$   | $\Box$    | $\perp$ | ]        |          | 137         |          | $\Box$         | $\perp$ |         |          |          |          |            |       |   |     |
| }        |                      | <u> </u>     |                    |           | ╄           | Н        | $\dashv$       | 4       | +           | -       |              | 88         |                                     |              | Н             | -         | -        | 4        | 4         | 4       | 4        | $\vdash$ | 138         |          | $\dashv$       | 4       | ╄       | H        | -        | 4        | 4          |       |   |     |
| 411 - 21 | 1 19,459             | 39<br>40     |                    | . 7       |             | 47,11    | guint gard the |         | A.S. (44.0) | 1~~     | 140 /2 "     | -88<br>90  |                                     |              | ä             | ~ "       | ┧        | $\dashv$ | +         | ╬       | - "      | -41-4    | -139<br>140 |          |                | -       | 1       | Н        |          | +        | 4          | • • • |   |     |
| ŀ        |                      | 41           | ы                  | _         | 1           | Н        | $\vdash$       | +       | +           | 1       |              | 91         |                                     | Н            | $\Box$        | _         | _        | ╛        |           | +       | 1        |          | 141         | Н        | _              | 1       | 1       | Н        | $\dashv$ | +        | 1          |       |   |     |
| į        |                      | 42           | M                  |           | $\Box$      |          |                | I       |             | ]       |              | 92         |                                     |              |               |           | $\Box$   | $\Box$   | $\Box$    | 工       |          |          | 142         |          |                | $\perp$ | $\Box$  | $\Box$   |          |          |            |       |   |     |
|          | _                    | 43)          | IVI                | - -       | -           | $\vdash$ | -              | 4       | +           | -       | <u> </u>     | 93<br>94   | Н                                   | Щ            | $\vdash$      | 4         | 4        | 4        | $\dashv$  | 4       | 4        | <b>—</b> | 143         | $\vdash$ | -              | +       | 1       | $\vdash$ | 1        |          | 4          |       |   |     |
| ł        |                      | 45           |                    |           | ╁           | Н        | $\dashv$       | +       | +           | 1       | -            | 95         | Н                                   | $\vdash$     | Н             | -         | +        | ┥        | $\dashv$  | ┿       | $\dashv$ | $\vdash$ | 144         | $\vdash$ | +              | +-      | +       | $\vdash$ |          | $\dashv$ | 4          |       |   |     |
| ł        |                      | 46           | V                  |           | T           | Н        |                | T       | 1           | 1       |              | 96         | H                                   | Н            | H             | $\exists$ | _        | _        | +         | _†      | 1        |          | 146         |          | $\top$         | 1       | +       | Н        | $\Box$   | 十        | 1          |       |   |     |
| į        |                      | 47           | $\mathbf{N} \perp$ | 工         | $\Box$      | $\Box$   | $\Box$         | 1       | I           | 1       |              | 97         |                                     |              |               |           | $\Box$   | $\Box$   | コ         | I       | ]        |          | 147         |          |                | T       | П       | $\Box$   |          |          | ]          |       |   |     |
| }        | _                    | 48<br>49     | V.                 | _         | <b>├</b>    | Н        | -              | 4       | +           | -       | <b> </b>     | 98         | $\vdash$                            | Ш            | $\sqcup$      | _         | 4        | 4        | $\dashv$  | 4       | 4        | _        | 148         |          | +              | +       | 1       | $\sqcup$ | $\dashv$ | +        | 4          |       |   |     |
| ŀ        | -                    | 50           |                    | +         | ╁           | Н        | $\dashv$       | +       | +           | 1       | $\vdash$     | 99<br>100  | Н                                   | Н            | $\dashv$      | $\dashv$  | $\dashv$ | $\dashv$ | _         | +       | $\dashv$ | $\vdash$ | 149         |          | +              | ╁       | ╁       | Н        | $\dashv$ | +        | Н          |       |   |     |